

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12423 - L2 Version 2
Chandra X-Ray Center

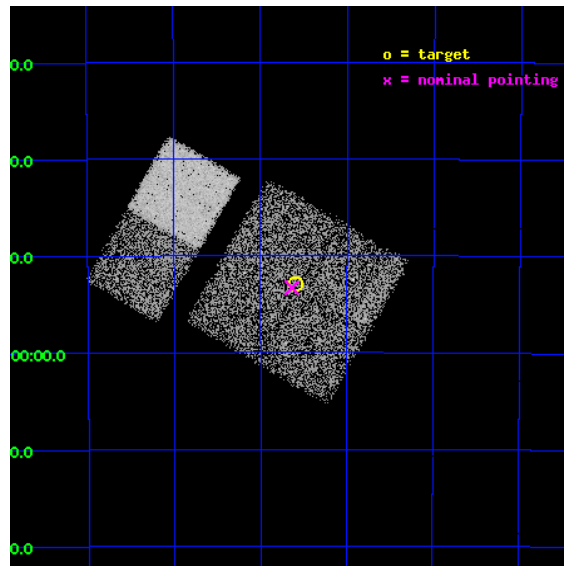
L2 Processing Date : Mar 18 2012

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1 Front

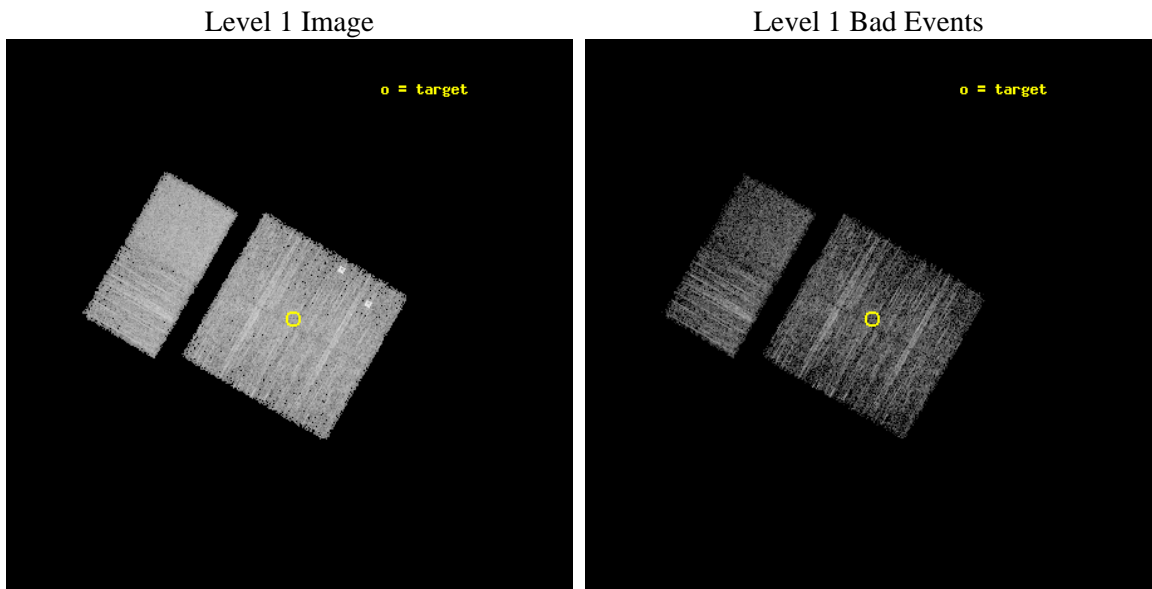
seq_num	401164	Sequence number
obs_id	12423	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	Dr. John Tomsick	Principal investigator
object	IGR J16206-5253	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.149167	Observer's specified target RA [deg]
dec_targ	-52.883	Observer's specified target Dec [deg]
ra_nom	245.1593912075	Nominal RA [deg]
dec_nom	-52.888828241665	Nominal Dec [deg]
roll_nom	300.22508930728	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5055.9999812245	Sum of GTIs [s]
livetime	4991.9778651046	Livetime [s]
ontime0	5055.9999812245	Sum of GTIs [s]
ontime1	5055.9999812245	Sum of GTIs [s]
ontime2	5055.9999812245	Sum of GTIs [s]
ontime3	5055.9999812245	Sum of GTIs [s]
ontime6	5055.9999812245	Sum of GTIs [s]
ontime7	5055.9999812245	Sum of GTIs [s]
l2events	35065	Number of level 2 events



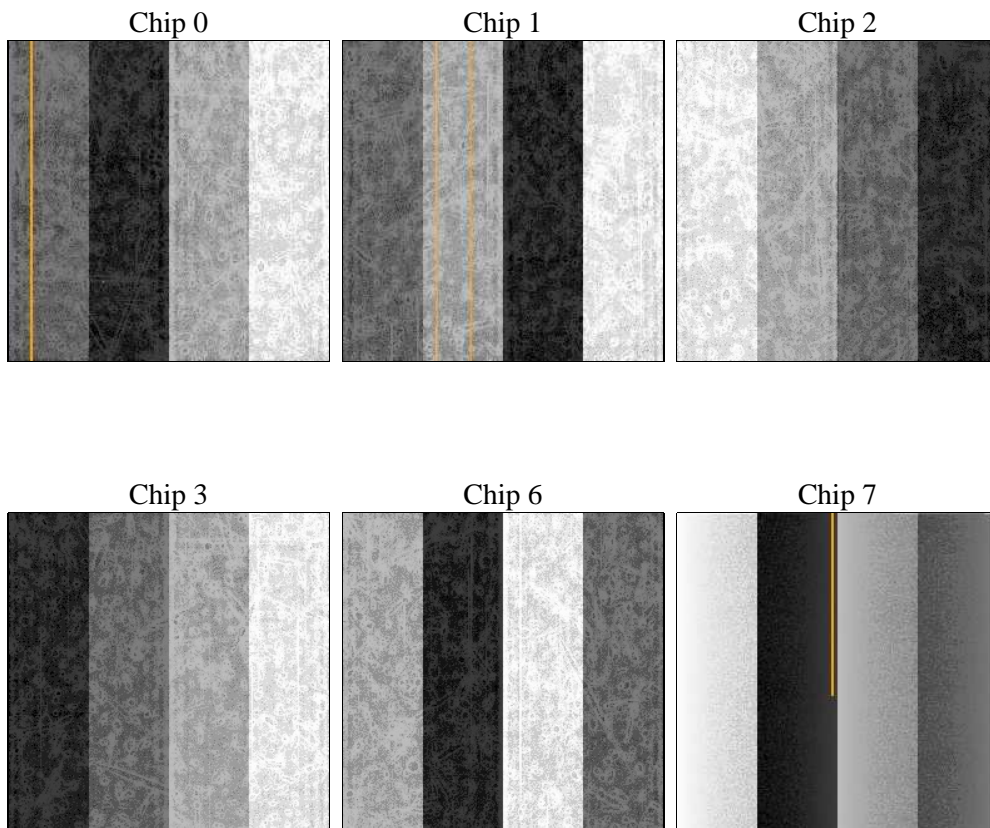
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5055.9999812245	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5055.9999812245	Sum of GTIs [s]
date	2012-03-18T18:31:18	Date and time of file creation	ontime1	5055.9999812245	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5055.9999812245	Sum of GTIs [s]
			ontime3	5055.9999812245	Sum of GTIs [s]
			ontime6	5055.9999812245	Sum of GTIs [s]
			ontime7	5055.9999812245	Sum of GTIs [s]
			l1events	198659	Number of level 1 events

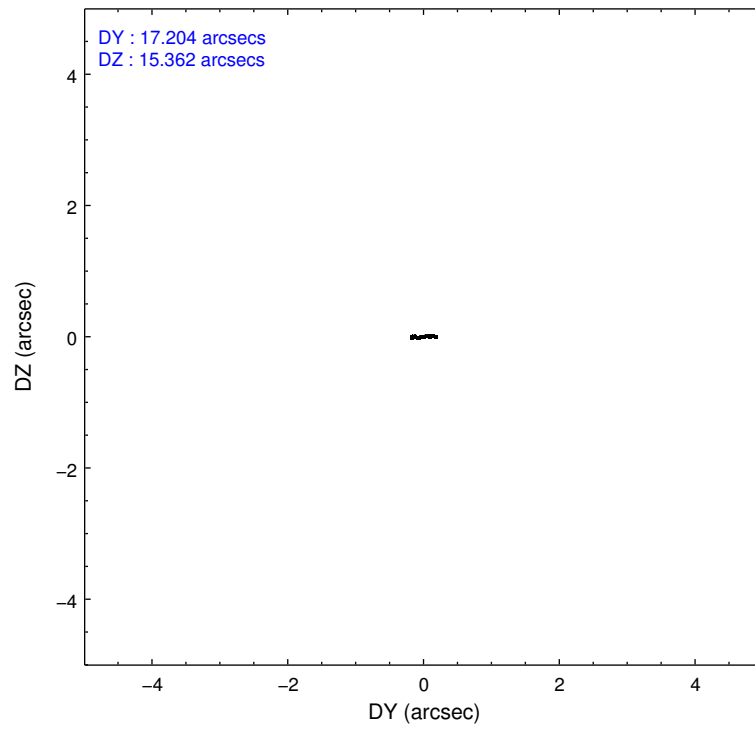
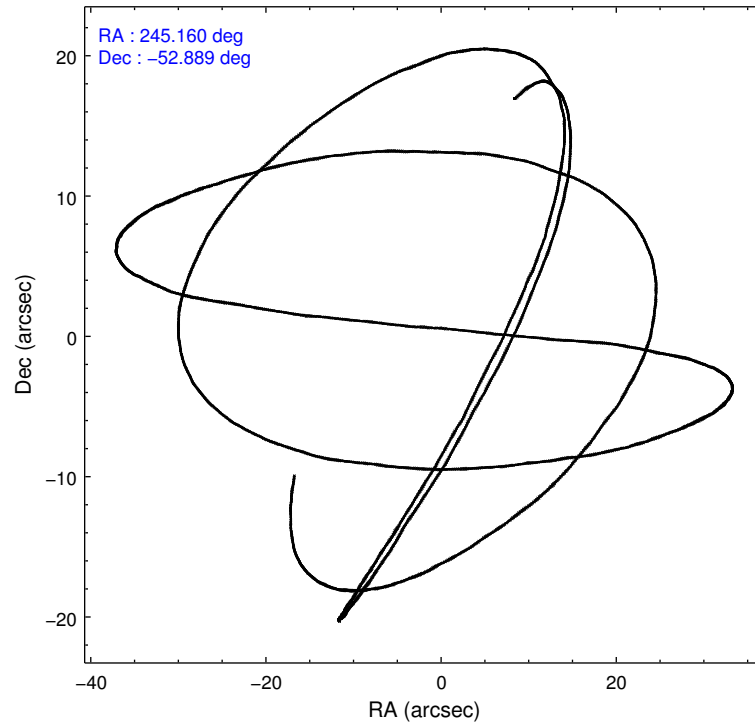
2.1.4 Events

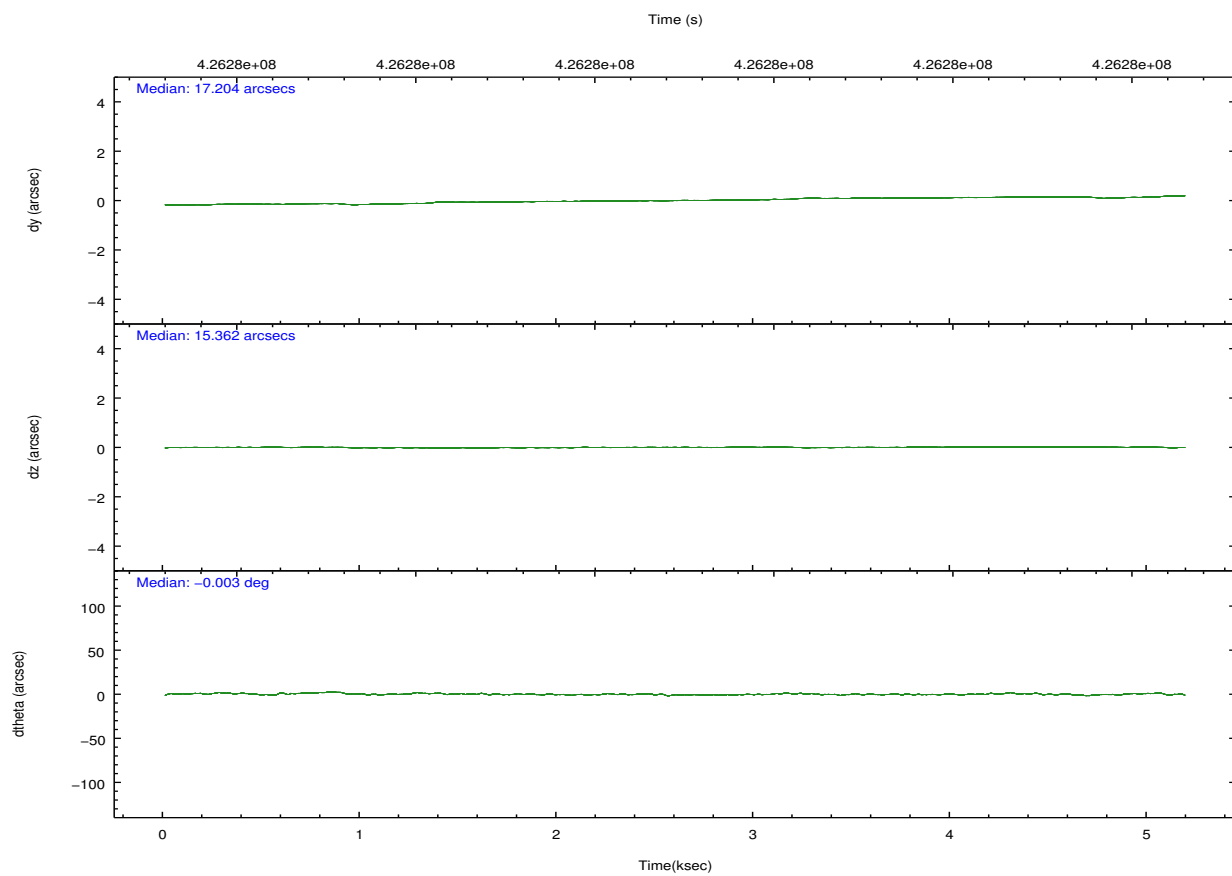
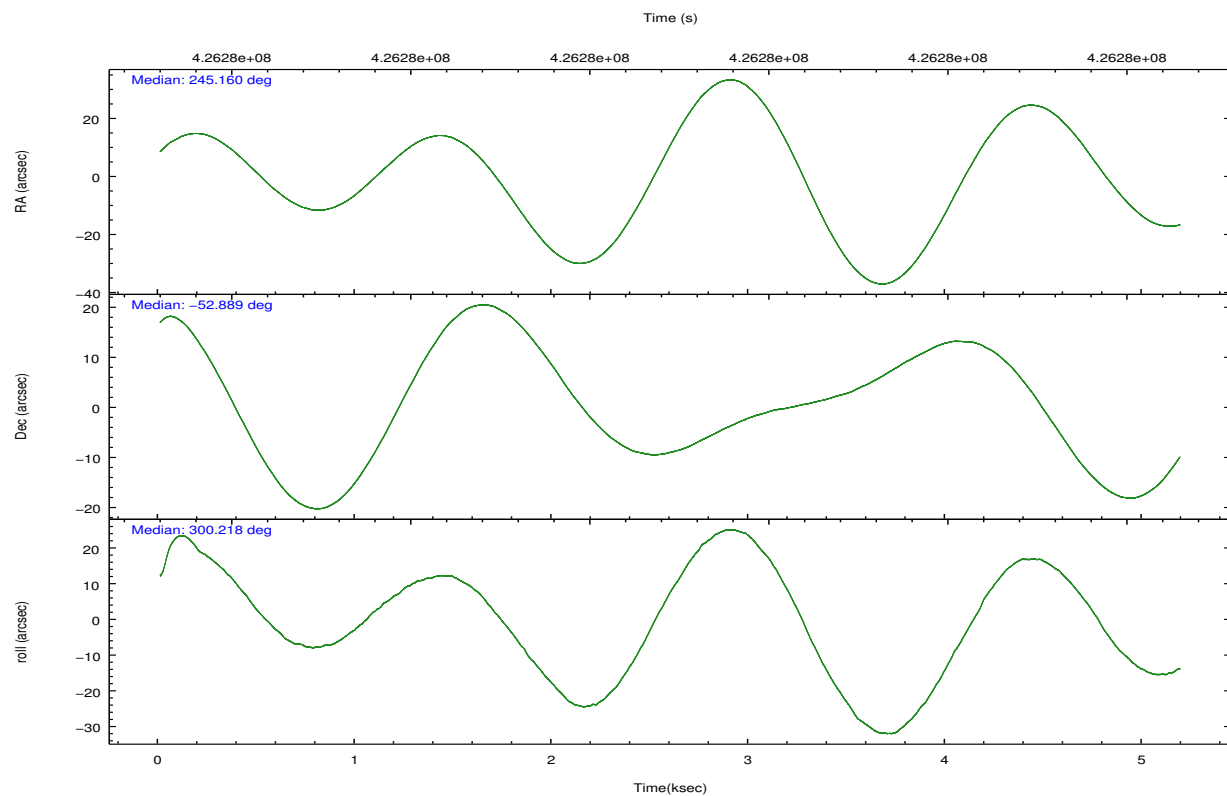
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27845	33228	32876	29724	34426	40560	grade 0 events	1545	3367	1577	1419	1499	1754
rejected events	23968	25796	29096	26061	30383	21945		5%	10%	4%	4%	4%	4%
rejected %	86%	77%	88%	87%	88%	54%	grade 1 events	17	27	21	18	17	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	874	2458	822	805	883	3788
								3%	7%	2%	2%	2%	9%
							grade 3 events	406	392	347	380	410	1668
								1%	1%	1%	1%	1%	4%
							grade 4 events	353	385	378	359	396	1610
								1%	1%	1%	1%	1%	3%
							grade 5 events	1388	1374	1343	1470	1552	4154
								4%	4%	4%	4%	4%	10%
							grade 6 events	708	839	662	706	860	9811
								2%	2%	2%	2%	2%	24%
							grade 7 events	22554	24386	27726	24567	28809	17735
								80%	73%	84%	82%	83%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	245.119419	245.159391207503	CCD I2 on	Y	Y
[deg] Pointing Dec	-52.874891	-52.88882824166451	CCD I3 on	Y	Y
[deg] Pointing Roll	299.984540	300.2250893072807	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	426278054.184000	426276364.87987	CCD S5 on	N	N
Observation start date	2011-07-05T18:33:08	2011-07-05T18:06:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	426283054.184000	426283541.93024	On-chip summing requested	N	N
Observation end date	2011-07-05T19:56:28	2011-07-05T20:05:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



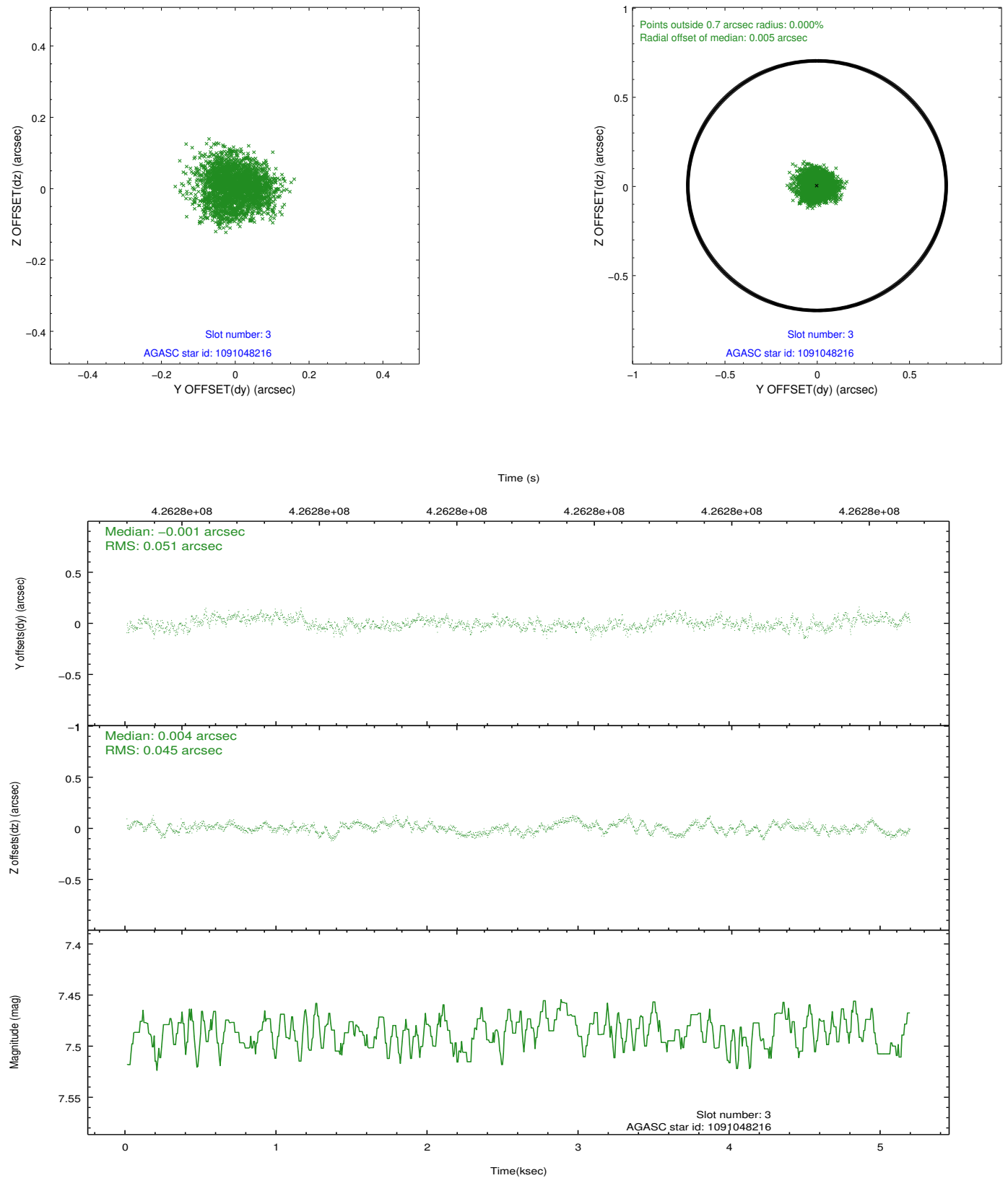


Slot Statistics

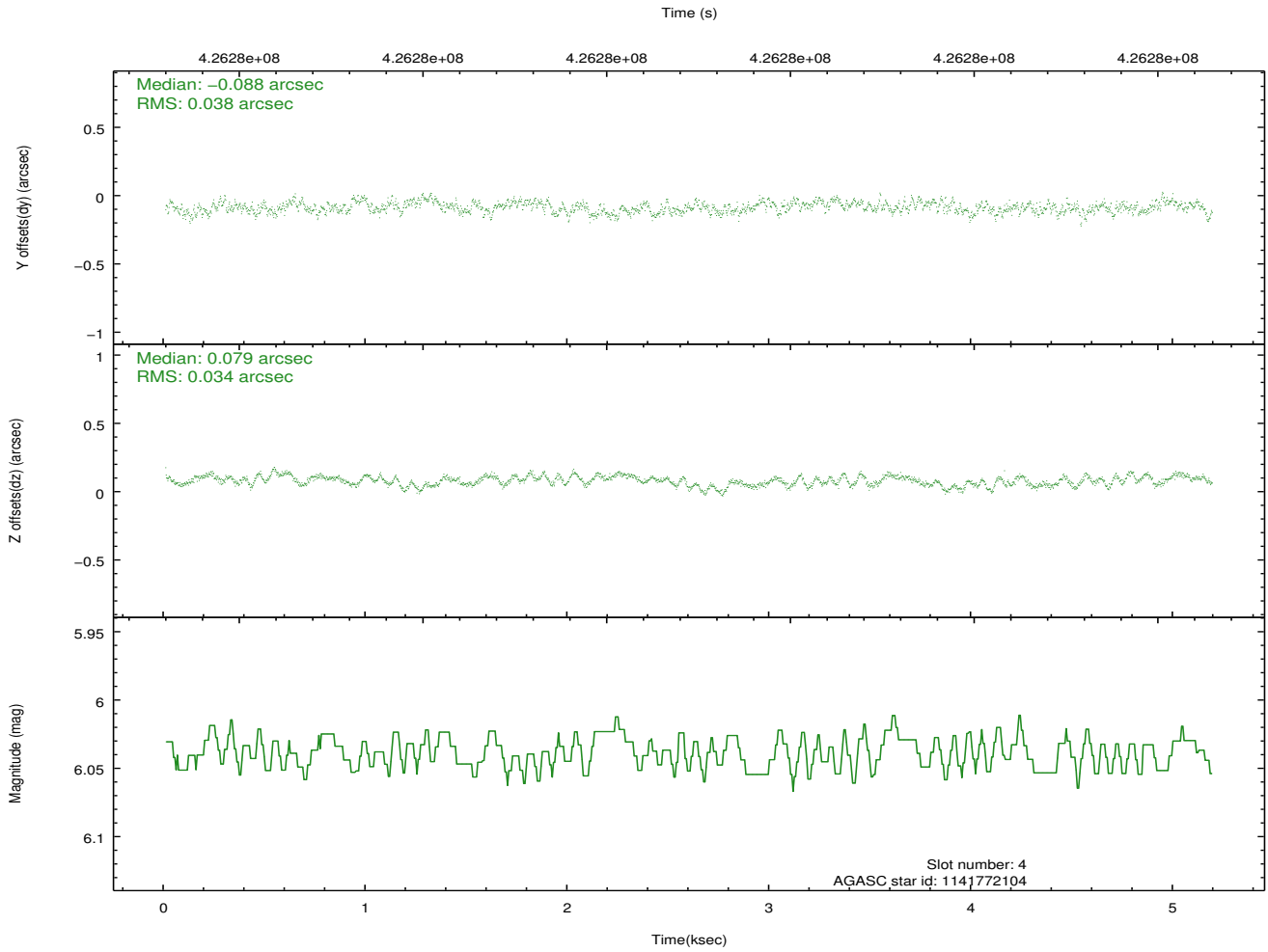
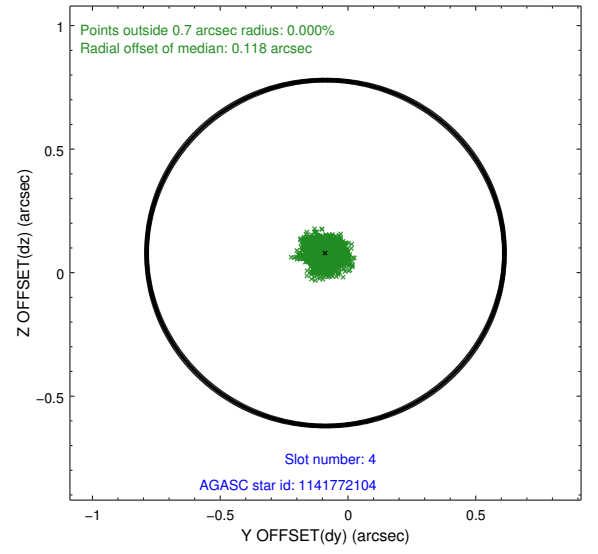
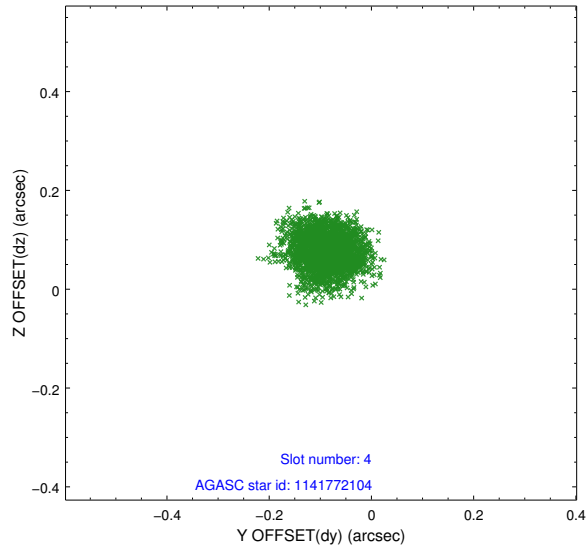
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	1265	0.017	0.003	0.009	0.017	0.000000	0.000000	922.22	-838.95
1	FID	ACIS-I-5	7.04	1265	-0.191	0.027	0.011	0.021	0.000000	0.000000	-1825.48	1057.94
2	FID	ACIS-I-6	7.06	1265	0.083	0.040	0.009	0.015	0.000000	0.000000	386.52	1703.81
3	GUIDE	1091048216	7.49	2530	-0.001	0.004	0.074	0.112	245.302190	-52.469810	-1063.61	1075.48
4	GUIDE	1141772104	6.04	2530	-0.088	0.079	0.056	0.087	244.177019	-52.603809	-1864.85	-1303.19
5	GUIDE	1141783328	8.74	2530	-0.069	-0.045	0.080	0.139	245.189578	-53.538762	2143.31	-1064.52
6	GUIDE	1091045576	9.21	2526	-0.021	0.013	0.104	0.172	245.673756	-52.354757	-1009.20	1988.70
7	GUIDE	1141785912	7.99	2529	0.180	-0.045	0.076	0.131	244.452287	-53.553721	1408.40	-2459.34

2.4 Star Slots

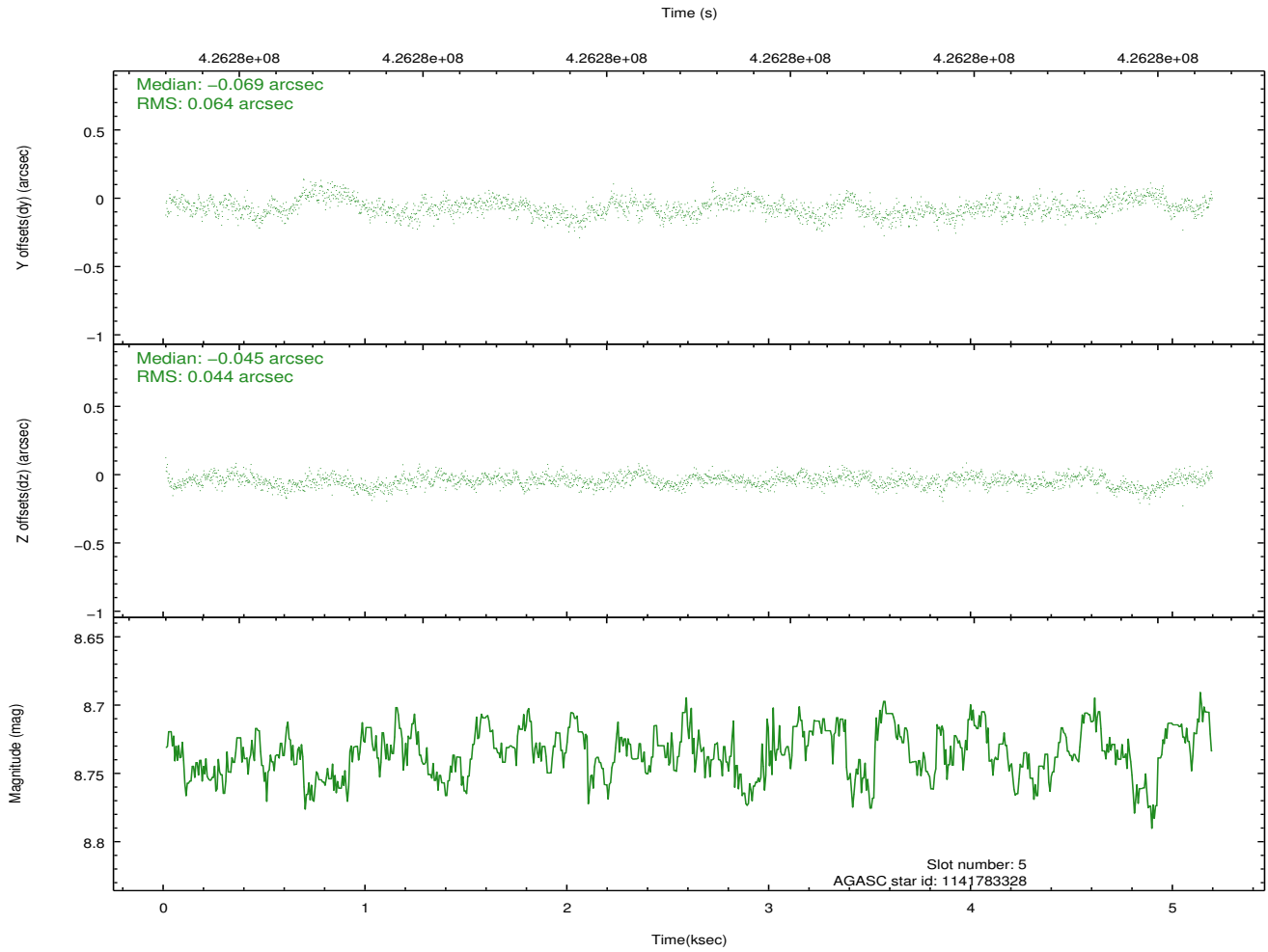
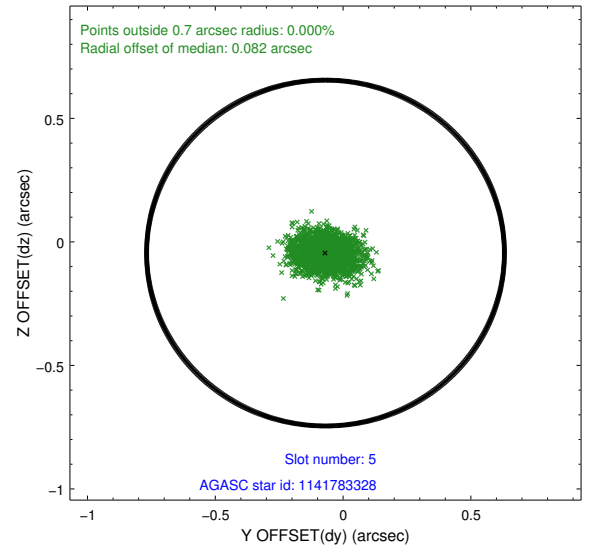
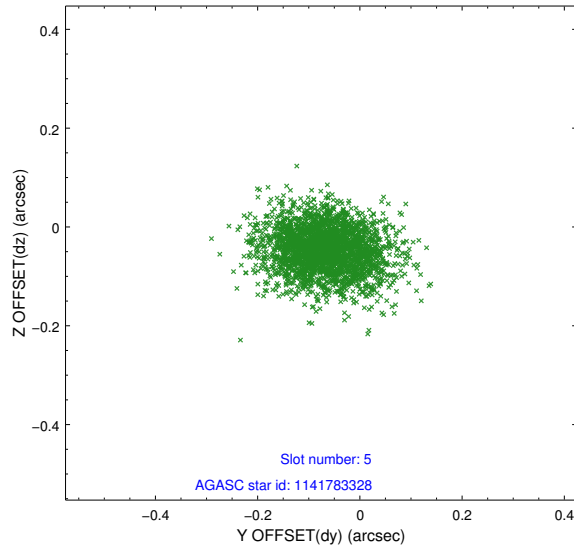
2.4.1 Slot 3



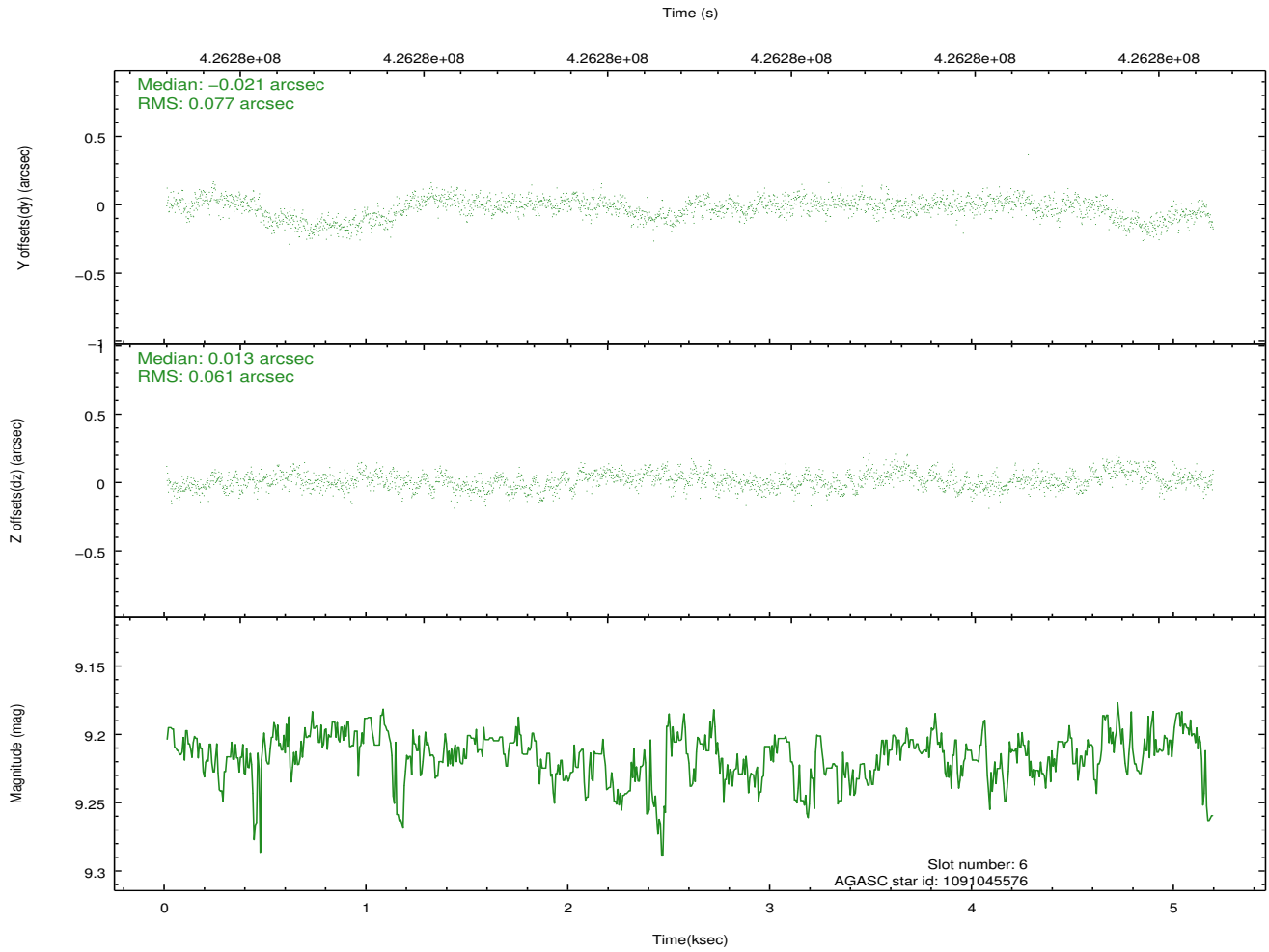
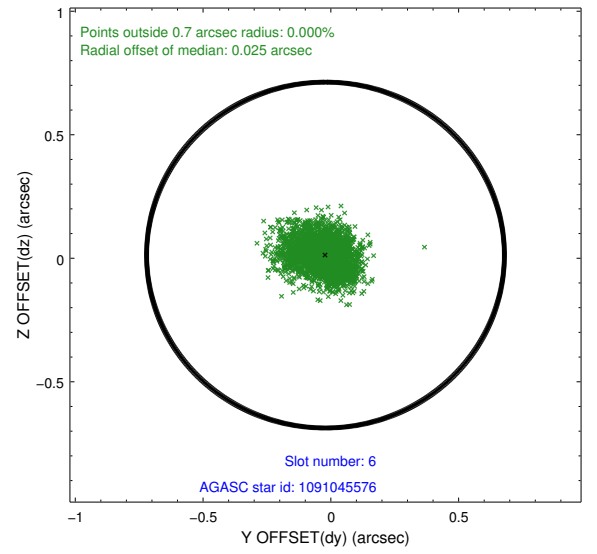
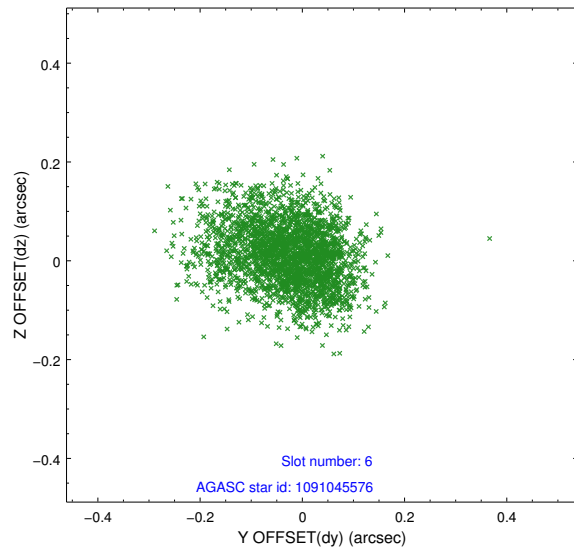
2.4.2 Slot 4



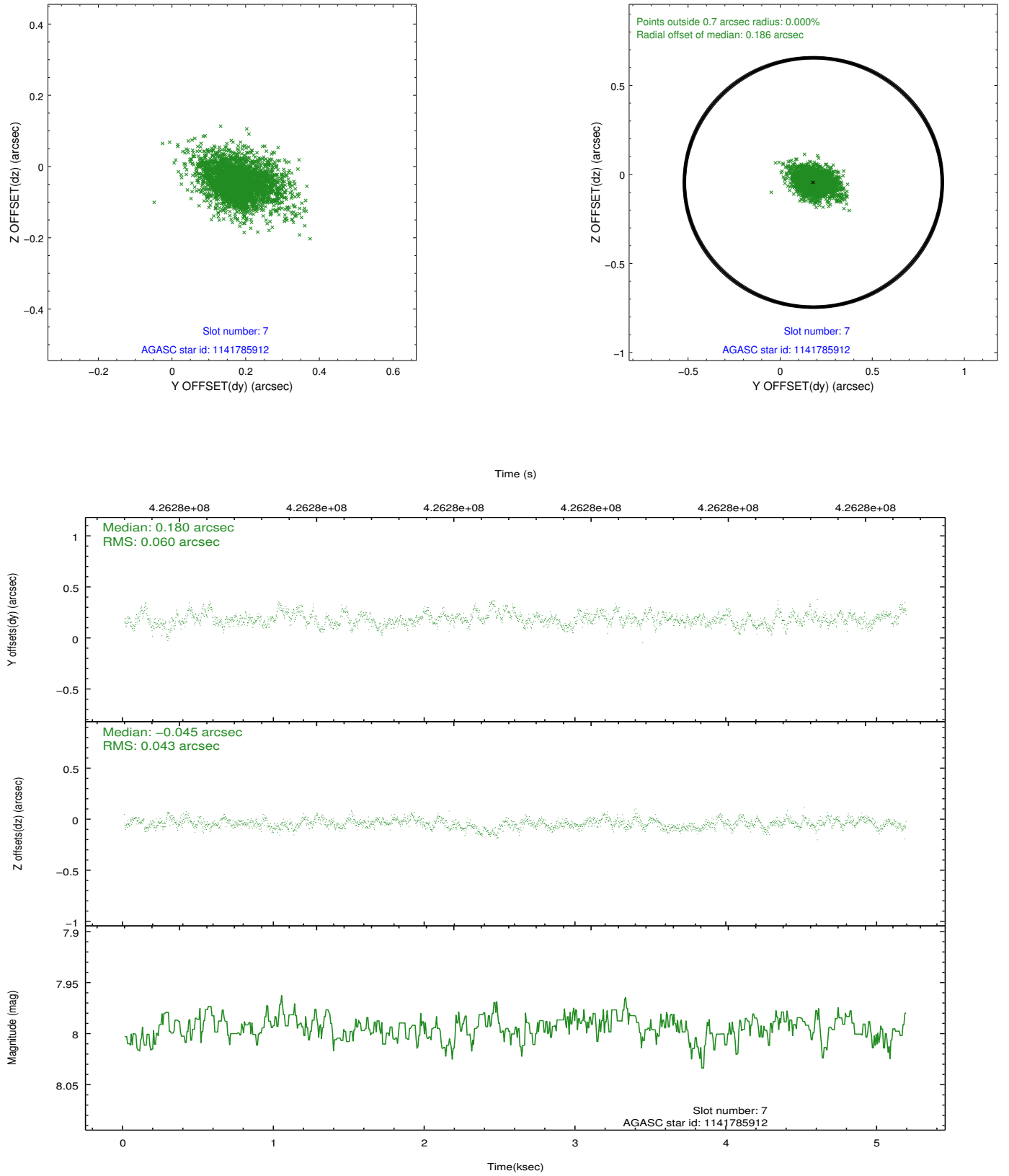
2.4.3 Slot 5



2.4.4 Slot 6

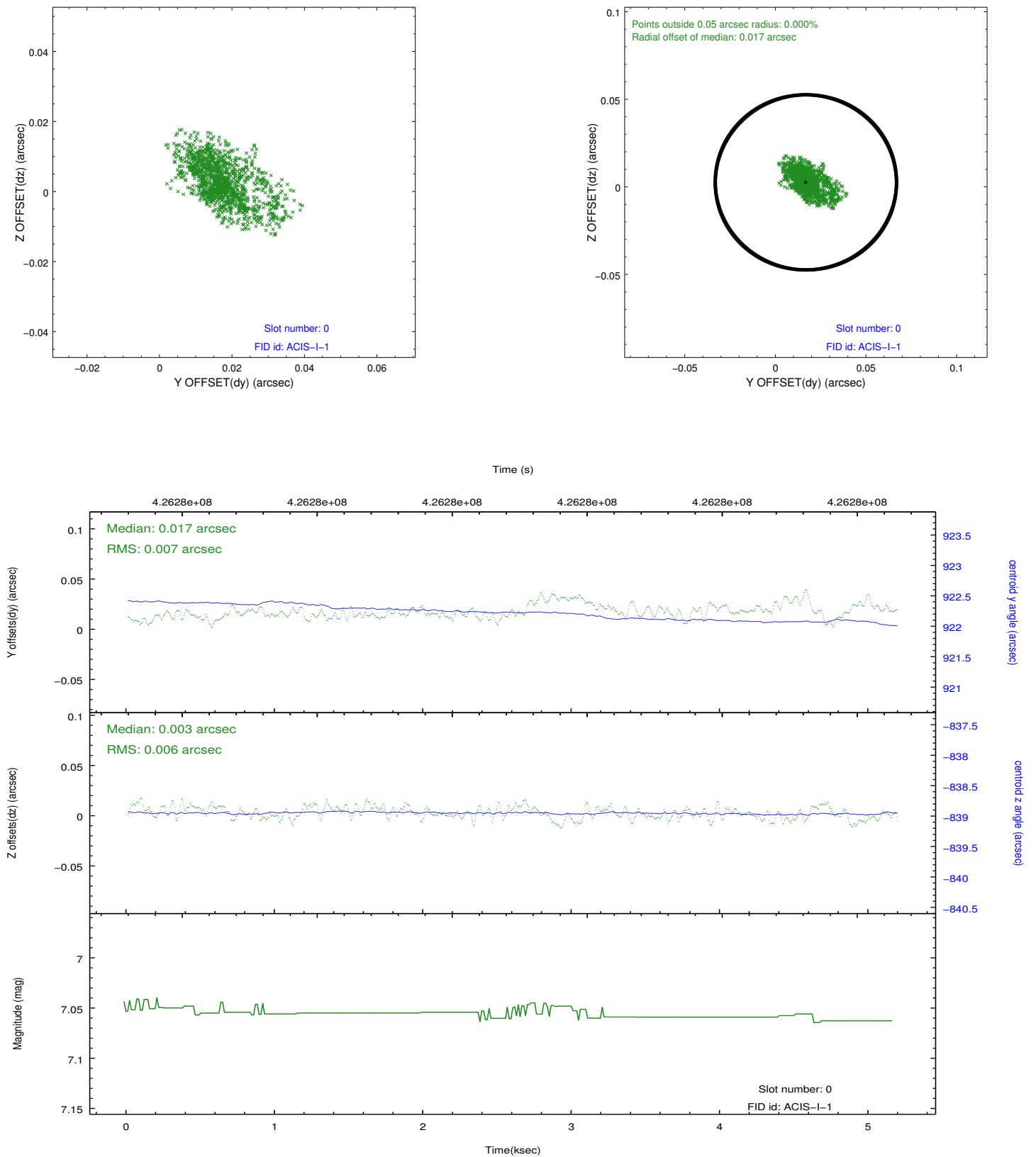


2.4.5 Slot 7

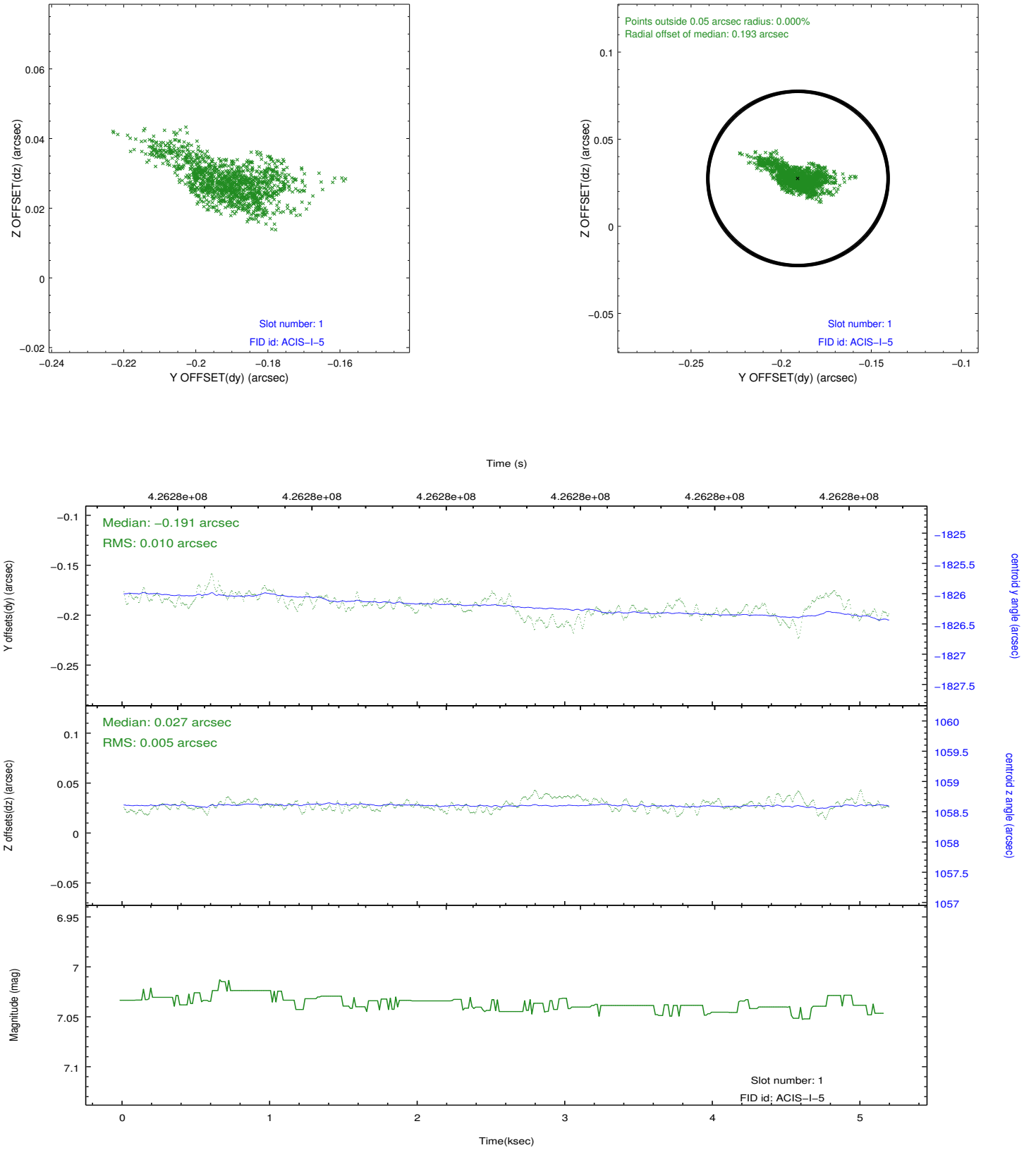


2.5 FID Slots

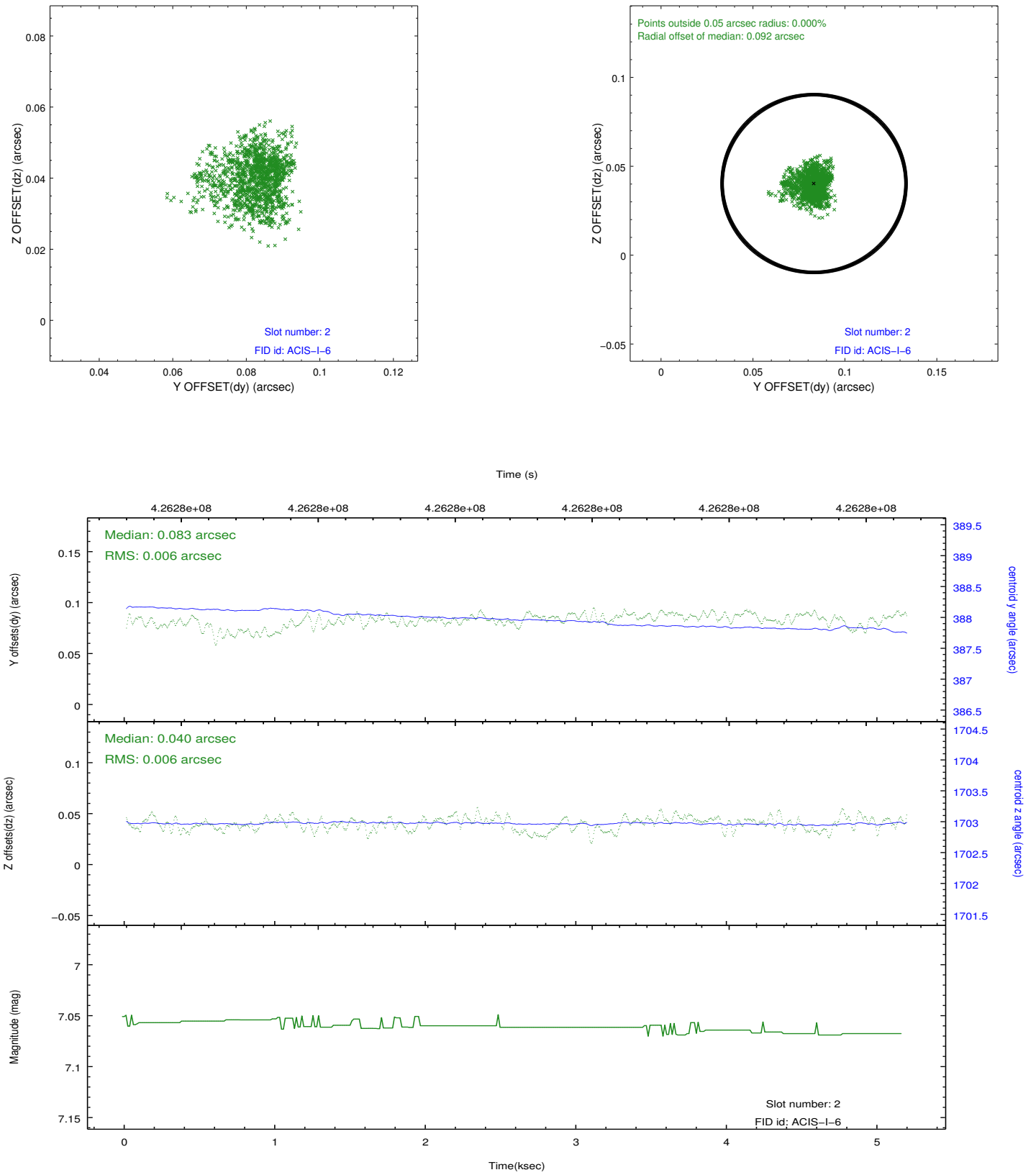
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0559999812245

A.2 Comments